ENTRANCE EXAMINATION – 2020

Paper Code No. : M 15

SET - C

1. What is the theme of the World Sustainable Development Summit, 2020?

   A. Towards 2030 goals: Making the Decade Count

   B. Sustainable Energy across the world

   C. Attaining SDG before 2030

   D. Energy and resources for all

2. What is the planned percentage of the government's stake in Air India to be divested?

   A. 50 B. 60

   C. 75 D. 100

3. The Transport Department of which state recently launched a helpline for women called 'Damini'?

   A. Uttar Pradesh B. Uttarakhand

   C. Maharashtra D. Raj asthan

4. The Prime Minister of India recently inaugurated five Young Scientists Labs of which organisation?

   A. Indian Space Research Organisation, ISRO

   B. Defence Research and Development Organisation, DRDO

   C. Bhabha Atomic Research Centre, BARC

   D. Department of Atomic Energy, DAE

5. Which state has recently declared 2020 as the year of Artificial Intelligence (AI) and has signed MoUs with tech firms for AI research?

   A. Andhra Pradesh B. Telengana

   C. Odisha D. Assam

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SHOUT
SHARE
IT

6. An example of an 'internet search engine' is

A. Windows
B. LINUX
C. Bing
D. MS Word

7. India is a Republic which implies that -

A. The head of the State is elected
B. The country is free
C. The country possess a democratic system of government
D. The Final Authority in the country is rests with the Parliament

8. The 'thickness' of Stratospheric Ozone layer is measured in/on :

A. Sieverts
B. Dobson units
C. Melson units
D. Beaufort Scale

9. The use of microorganism metabolism to remove pollutants such as oil spills in the water bodies is known as :

A. Biomagnification
B. Bioremediation
C. Biomethanation
D. Bioreduction

10. Which of the following Indian States/U T has the maximum percentage of mangrove cover in the country ?

A. Gujarat
B. West Bengal
C. Andaman and Nicobar
D. Orissa

11. As of February, 2020, which country is India's top trade partner?

A. China
B. United States
C. Russia
D. France

12. The term "JavaScript sniffers", that was making news recently, is associated with_

A. Authorization software
B. Malware
C. Encryption Software
D. Firewall

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13. What is the rank of India in the 'Global Flourishing index' released by WHO Commission and UNICEF?

A. 91
B. 121
C. 111
D. 131

14. As per the annual "Nature Ranking Index-2020", which Indian institution is ranked in the first place in the country?

A. Homi Bhaba National Institute
B. Indian Institute of Science
C. Council of Scientific and Industrial Research
D. Tata Institute of Fundamental Research

15. Which Indian player was recently named 'Player of the Year for 2019', by the International Hockey Federation (FIH)?

A. Manpreet Singh
B. Mandeep Singh
C. Harmanpreet Singh
D. Sheeraj

16. As of 2020, which Indian Telecom operator is the second most valuable mobile operator in Asia?

A. Bharti Airtel
B. Jio
C. Vodafone idea
D. BSNL

17. Which Metro rail service in India has become the second largest operational metro rail network in the country?

A. Delhi
B. Kochi
C. Hyderabad
D. Mumbai

18. Municipal Performance Index (MP1), is an index recently launched by which organisational Ministry?

A. NITI Aayog
B. Ministry of Housing and Urban Affairs
C. Ministry of Industrial Research
D. Tata Institute of Fundamental Research

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19. What is the rank of India in the recently released International intellectual property ind 2020?

A. 36
B. 40
C. 42
D. 44

20. Which country recently launched the 'International Religious Freedom Alliance' for protecti religious freedom across the world?

A. Russia
B. Japan
C. United States
D. India

21. When we conform to a group's typical behavior to become liked and accepted, it is called

A. normative social influence.
B. informational social influence.
C. ambiguous societal influence.
D. situational influence.

22. A minority can sometimes influence majority opinions if they

A. are extremely vocal.
B. are innovative.
C. are in a laboratory situation.
D. remain consistent.

23. The findings of Milgram's study suggest that obedience to authority, even if it involves harm to another person,

A. implies that the obedient person has internalized the authority's values.
B. would be displayed by most people.
C. is only possible in cases where the person receiving orders identifies with the authority figure.
D. is unlikely to occur in a democratic society like United States.

24. According to Milgram, the potential for obedience is

A. probably a symptom of psychopathology.
B. probably built into the species by evolution.
C. a recent development related to the occurrences of large-scale warfare.
D. enhanced by models shown in the me

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25. The two neurotransmitters that are most likely involved in mood disorders are

A. dopamine and norepinephrine.
B. GABA and serotoni
C. norepinephrine and serotonin.
D. dopamine and GABA.

26. Many of the symptoms of schizophrenia seem to be associated with changes in dopamine levels in what areas of the brain?

A. prefrontal and mesolimbic
B. basal ganglia and thalamus
C. hippocampus and hypothalamus
D. ventricular

27. The key feature of borderline personality disorder is

A. rejection.
B. instability.
C. anxiety.
D. depression.

28. Which one of the following statements is true about encoding verbal material in working memory?

A. A phonological code is favored, but other sensory codes may be used.
B. A visual code is favored, but other sensory codes may be used.
C. Semantic codes are used more often than phonological codes.
D. Semantic codes are favored for written words; phonological codes are favored for spoken words.

29. The capacity of working memory

A. varies widely from culture to culture.
B. is seven items, give or take two.
C. depends on the sense used to encode the items.
D. is about 5 items for children and about 10 items for most adults.

30. Memory span refers to the

A. duration of storage in working memory.
B. duration of storage in long-term memory.
C. capacity of working memory storage.
D. capacity of long-term memory storage.

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31. A subject is read a list of nine digits and is immediately asked to repeat as many of the possible in order. This subject is involved in a test of

A. the usefulness of mnemonic devices.

B. long-term memory capacity.

C. working memory capacity

D. the presence of eidetic imagery.

32. Research evidence shows that the ..... is essential for short-term memory, while ..... is essential for long-term memory.

A. temporal lobes; parietal lobes

B. frontal lobes; parietal lobes

C. hippocampus; hypothalamus

D. prefrontal lobes; hippocampus

33. Retrieval paths in long-term memory are best created by

A. using eidetic imagery.

B. elaborating the meaning of the material.

C. rehearsing the material.

D. using non-emotional cues.

34. Autism entails-

A. Significant deficits in communication.

B. Significant deficits social interaction, bonding and play activities,

C. Engages in repetitive stereotyped behaviors and self-damaging acts.

D. All of the above

35. The sensation that we know something and that it's somewhere in our memory but just out of our reach is known as the

A. serial position effect.

B. flashbulb memory effect.

C. memory span effect.

D. tip-of-the-tongue phenomenon.

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36. The stimulation of specialized motion cells appear to be responsible for our perception of

A. motion aftereffect.
B. motion parallax.
C. stroboscopic motion.
D. induced motion.

37. If you stare at the steps on an up escalator for a short time and then look at the wall beside it, the wall appears to move downward because of what perceptual phenomenon?

A. absolute motion
B. selective adaptation
C. relative motion
D. stroboscopic motion

38. Perceiving a large dark object as a cow fills which function of perception?

A. localization
B. recognition
C. tracking movement
D. assigning causality

39. Characteristics of objects in the visual field such as shape and color are called ..... features.

A. primitive
B. integration
C. illusory
D. conjunction

40. Simple cells respond to visual stimuli which are

A. of a particular length.
B. in a particular orientation, anywhere in the receptive field.
C. in a particular orientation, in a particular place in the receptive field.
D. in a particular orientation and of a particular length.

41. When simple two-dimensional features, such as lines and angles are combined, a new object is perceived that cannot be understood by examining the component parts. The new characteristics are known as

A. emergent features.
B. connectionist features.
C. spatial networks.
D. network detection features

42. A suitcase can be described as the combination of a cube and an arc, a pail as a cylinder and an arc, and a flashlight as two cylinders and a block. These descriptive geometric features are known as

A. connectionist nodes.
B. hypercomplex features.
C. geons.
D. models.

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43. When you see your professor in the supermarket, you have trouble recognizing him. What b explains this?

A. The relations between geons are contrary to your expectations.

B. A familiar stimulus in an unfamiliar context is difficult to recognize.

C. You have used bottom-up processing instead of top-down processing.

D. Ambiguous stimuli are easiest to judge in familiar surrounding

44. Because of ....., you may perceive a red ball on the kitchen table as an apple.

A. top-down processing

B. bottom-up processing

C. feature extraction

D. geon analysis

45. Prosopagnosia is an inability to recognize faces. It is an example of a breakdown o recognition called a(n)

A. agnosia.

B. aphasia.

C. visual ambiguity.

D. detail deficit

46. Thumbing through a picture book, identifying a wide variety of zoo animals would be good exercise for a child to practice

A. operational thinking.

B. object permanence.

C. conservation.

D. assimilation and accommodation

47. ..... is the degree to which an employee identifies with a particular organization and its goals and wishes to maintain membership in the organization.

A. Job involvement

B. Organizational commitment

C. Job involvement

D. Job satisfaction

48. ..... commitment refers to an employee's obligation to remain with an organization for moral or ethical reasons.

A. Affective

B. Continuance

C. Theoretical

D. Normative

49. If the content of a test looks as though it is measuring what it is supposed to, it is said to have high. . ..

A. Content validity.

B. Criterion validity.

C. Face validity.

D. Ecological validity.

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50. Analysis of variance is a statistical method of comparing the of several populations.

A. standard deviations
B. variances
C. means
D. proportions

51. What is a research design?

A. A way of conducting research that is not grounded in theory
B. The choice between using qualitative or quantitative methods
C. The style in which you present your research findings, e. g. a graph
D. A framework for every stage of the collection and analysis of data

52. If a study is "reliable", this means that :

A. It was conducted by a reputable researcher who can be trusted
B. The measures devised for concepts are stable on different occasions
C. The findings can be generalized to other social settings
D. The methods are stated clearly enough for the research to be replicated

53. "Internal validity" refers to :

A. Whether or not there is really a causal relationship between two variables
B. Whether or not the findings are relevant to the participants' everyday lives
C. The degree to which the researcher feels that this was a worthwhile project
D. How accurately the measurements represent underlying concepts

54. In an experimental design, the dependent variable is :

A. The one that is not manipulated and in which any changes are observed
B. The one that is manipulated in order to observe any effects on the other
C. A measure of the extent to which personal values affect research
D. An ambiguous concept whose meaning depends on how it is defined

55. What is a cross-sectional design?

A. A study of one particular section of society, e.g. the middle classes
B. One that is devised when the researcher is in a bad mood
C. The collection of data from more than one case at one moment in time
D. A comparison of two or more variables over a long period of time

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56. Survey research is cross-sectional and therefore :

A. High in replicability but low in internal validity

B. High in internal validity but low in reliability

C. High in ecological validity but low in external validity

D. None of the above

57. Panel and cohort designs differ, in that :

A. Cohort studies involve quantitative research, whereas panel studies are qualitative

B. A panel study does not need rules to handle new entrants to households

C. Only a cohort study will suffer from sample attrition

D. A panel study can distinguish between age effects and cohort effects, but a cohort design can only detect ageing effects

58. Cross cultural studies are an example of :

A. Case study design

B. Comparative design

C. Experimental design

D. Longitudinal design

59. Accepting a false null hypothesis is an example of what?

A. Experimenter bias

B. Type I error

C. Chance

D. Type II error

60. Which of the following is not a characteristic of quota sampling?

A. The researcher chooses who to approach and so might bias the sample

B. Those who are available to be surveyed in public places are unlikely to constitute a representative sample

C. The random selection of units makes it possible to calculate the standard error

D. It is a relatively fast and cheap way of finding out about public opinions

61. The process by which rods and cones convert electromagnetic energy into the activity of neurons is an example of

A. transduction.

B. feature detection.

C. sensory adjustment.

D. accommodation.

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62. What is the transparent, protective, outer layer that is first point of the eye through which light passes as it enters the human eye?

A. retina
B. lens
C. cornea
D. aqueous humor

63. The purity of light is its

A. brightness.
B. saturation.
C. wavelength.
D. hue.

64. After sound waves pass through the auditory canal, they reach the

A. eardrum.
B. middle ear.
C. tunnel of Corti.
D. oval window

65. The smoke alarm occasionally goes off when you are cooking. The first time this happens your dog whines and becomes frightened. Each succeeding time the alarm sounds, the dog gets more frightened. The dog is showing what basic kind of learning?

A. disassociative
B. associative
C. sensitization
D. habituation

66. In complex learning

A. classical conditioning occurs.
B. operant conditioning occurs.
C. habituation always is apparent.
D. something must be formed in addition to simple associations.

67. Because you enjoy talking with your best friend, she can modify your behavior by refusing to speak to you each time you smoke a cigarette in her presence. She is using an operant conditioning technique called .....

A. negative reinforcement
B. punishment
C. extinction
D. reinforcement

68. Your prior beliefs about relationships between two variables may lead you to make nonexistent but plausible relationships called

A. learned associations.
B. spurious associations.
C. conditioned responses.
D. selective associations.

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69. You have just found an well constructed, objectively scored. Each item on the test correlates highly with the test taker's final score. This test would have

A. test-retest reliability.
B. temporal stability.
C. alternate form reliability.
D. internal consistency.

70. 40. A criterion measure is used in assessing a test's

A. validity.
B. reliability.
C. consistency.
D. factor structure.

71. The first attempts to measure intellectual abilities were made by

A. Francis Galton.
B. Charles Darwin.
C. Alfred Binet.
D. Lewis Terman.

72. The purpose of Binet's original intelligence test was to

A. identify the components of intellectual processing.
B. investigate racial differences in intelligence.
C. identify children who would not benefit from regular schooling.
D. determine how the intellectual abilities of children differ from those of adults.

73. Spearman proposed that all individuals possess a ..... called "g"

A. global abilities
B. general intelligence
C. generative capacities
D. genetic intelligence

74. One of the most unique aspects of the MMPI is that it was first major personality inventory to incorporate

A. a criterion control.
B. neuroticism scales.
C. validity scales.
D. keyed responses.

75. Which of the following is a major emphasis of a social-learning theorist?

A. consistency of an individual's behavior
B. situational influences
C. biological motives
D. self-report methods of collecting data

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76. One of the most important contributions of the behaviorist approach to personality has been

A. an over emphasis of situational variables.

B. recognition of the importance of environmental variables.

C. down playing the role of cognitive variables.

D. detailing the role of unconscious motives.

77. Bandura noted that most behavior occurs in the absence of external rewards and punishment so that most behavior stems from

A. negative reinforcement.

B. self-regulation.

C. reciprocal dualism.

D. behavioral determinism.

78. The personality test that presents an ambiguous stimulus picture to which the person may respond as he or she wishes is a

A. Q Sort.

B. personality inventory.

C. Rorschach.

D. MMPI.

79. An analysis of brain structure functioning in mental disorders is among the interests of researchers following the ..... perspective.

A. cognitive

B. psychoanalytic

C. biological

D. cultural

80. The ..... model of mental disorders emphasizes the interaction between a predisposition and environmental conditions encountered by the individual.

A. behavioral-physiological

B. psychoanalytic-medical

C. humanistic-psychoanalytic

D. vulnerability-stress

81. Larry experiences short episodes of acute and overwhelming apprehension or terror. He is experiencing

A. generalized anxiety disorder.

B. panic attacks.

C. parasympathetic discharge.

D. a phobia.

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82. An irresistible urge to carry out certain acts or rituals is a(n)

A. compulsion.
B. obsession.
C. delusion.
D. phobia.

83. Patients evidencing OCD who respond to behavioral therapies and those who respond to drug therapies show reductions in the rate of activity in the ..... in response to treatment.

A. hypothalamus
B. hippocampus
C. thalamus
D. frontal cortex

84. ..... is the inability to experience joy, even in response to extremely joyous occasions.

A. A motivational syndrome
B. Anhedonia
C. An emotionality
D. Aboulia

85. The top-down processing technique of comparing our preexisting organized beliefs and knowledge to assess a new situation is described as

A. categorization processing.
B. organizational processing.
C. explicational processing.
D. schematic processing.

86. At a party you are introduced to Anthony who you know is a semi-professional boxer. Contrary to your expectations he is articulate, clever and charming. This new information will probably conflict with your preexisting ..... about boxers.

A. categorization processes
B. stereotypes
C. priming
D. organization processes

87. Current research suggests that the primacy effect occurs because of

A. the recency phenomenon.
B. stereotypes.
C. top-down thinking.
D. impression formation.

88. Self-fulfilling prophecies arise because our stereotypes

A. lead us to misperceive the actual characteristics of those we stereotype.
B. affect our own behavior toward those stereotypes.
C. cause those we stereotype to dislike us and, hence, to act negatively toward us.
D. lead us to avoid contact with those we stereotype-- thereby preventing us from overcoming our stereotypes.

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89. The task of attempting to infer the causes of behavior is called

A. attribution.
B. detecting covariation.
C. schematic processing.
D. implication detection.

90. Inferring that something internal to a person is responsible for his or her behavior is called a(n)

A. innate tendency.
B. internal inference.
C. dispositional attribution.
D. self-fulfilling stereotype.

91. According to Herzberg, which of the following is a maintenance factor?

A. Salary
B. Work itself
C. Responsibility
D. Recognition

92. ..... is known as "the father of scientific management."

A. Fredrick W. Taylor
B. Henry Fayol
C. Robert Owen
D. None of these

93. The Hawthome experiment was conducted by

A. William Gilbreth
B. Hendry Fayol
C. F.W.Taylor
D. Elton Mayo

94. ..... focuses on how to set goals for people to reach

A. Equity Theory
B. Expectancy theory
C. Goal attain theory
D. Goal setting Theory

95. In order from lowest to highest, what are Maslow's Òve classes of needs?

A. Social-esteem-physiological safety-self-actualization
B. Physiological-safety-social-self-actualization-esteem
C. Physio1ogical-safety-social-esteen1-self-actualization
D. Self-actualization-esteem-safety-social-physiological

96. What name is given to data which is made up of frequencies?

A. Interval data
B. Ratio data
C. Categorical data
D. Ordinal data

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97. The feeling of losing personal identity and merging anonymously into the group is called

A. bystander apathy.
B. diffusion of responsibility.
C. conformity.
D. deindividuation.

98. The lack of intervention by bystanders to emergency situations appears to be due to

A. conformity to social norms.
B. diffusion of responsibility and defining the situation as a non-emergency.
C. deindividuation.
D. apathy.

99. Solomon Asch's studies were specifically designed to study the

A. amount of private opinion change that would be produced by group pressure to conform.
B. factors that would cause subjects to rebel against group pressure.
C. differences between conformity to a group and obedience to an authority figure.
D. amount of public conformity that would be produced pressure to conform.

100. When we conform because we believe that other people's interpretations of an ambiguous situation are more correct than our own, it is called

A. situational influence.
B. ambiguous societal influence.
C. informational social influence.
D. nonnative social influence.

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